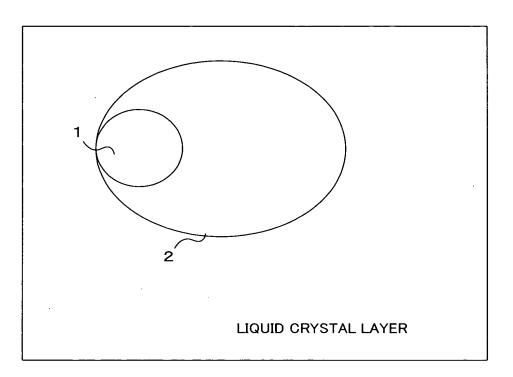
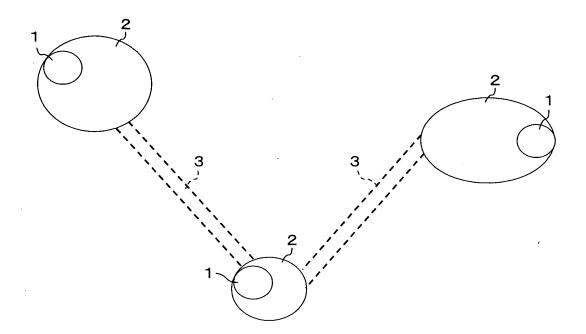
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FIG. 1



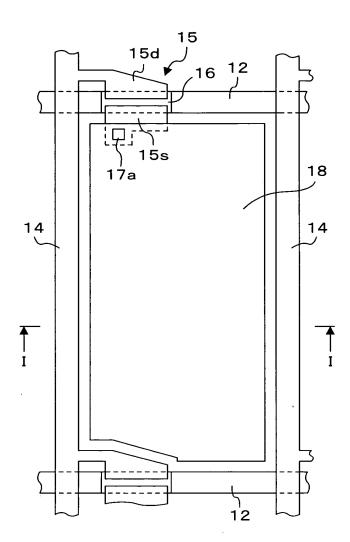
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FIG. 2



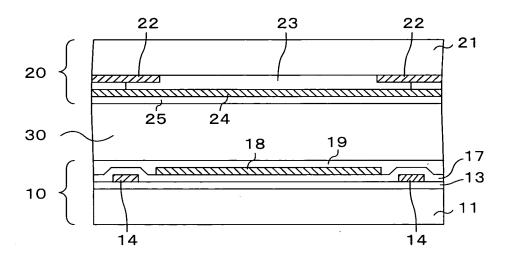
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FIG. 3



LIQUID CRYSTAL DISPLAY ... Nov. 12, 2003
Hideaki Tsuda
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1508.68727
Sheet 4 of 8 (312) 360 0080

FIG. 4



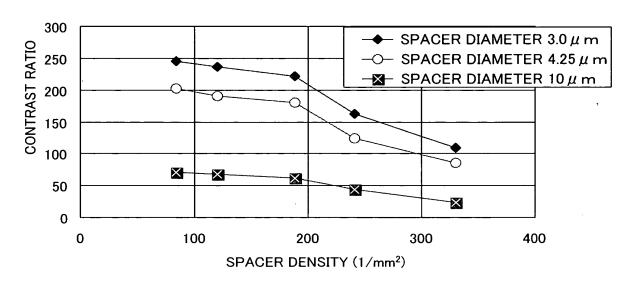
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Nov. 12, 2003

												_	_
VERTICAL ALIGNMENT PROPERTY		0	0	0	Φ0	00	Q	٥	◁	×	<b>×</b>	×	×
PHYSICAL PROPERTIES	$\gamma$ 1(mPas)	239	153	135	135	141	115	111	I	I	. 115	133	I
	K33	13.0	1	16.7	14.7	13.3	12.8	15.0	I	I	12.4	ı	1
	K11	12.3		14.7	13.6	13.3	12.8	12.9	1	Į.	11.3	I	I
	3 \( \nabla \)	-7.0	-5.1	-4.6	-3.8	-3.5	-3.3	-2.1	-1.3	0.0	3.2	5.2	8.7
	Δn	0.0995	0.0793	0.0813	0.0822	0.0825	0.1011	0.0836	0.0756	0.1057	0.2007	0.094	0.105
	(0°)N-S	<-20	<-20	<-20	<-30	<-30	<-20	<-20	<-20	<-20	<-20	<-40	<-20
	N-I(°C)	65	62	79	71	71	70	71	75	72	70	92	65
LIQUID CRYSTAL		LIQUID CRYSTAL A	LIQUID CRYSTAL B	LIQUID CRYSTAL C	LIQUID CRYSTAL D	LIQUID CRYSTAL E	LIQUID CRYSTAL F	LIQUID CRYSTAL G	LIQUID CRYSTAL H	LIQUID CRYSTAL I	LIQUID CRYSTAL J	LIQUID CRYSTAL K	LIQUID CRYSTAL L

LIQUID CRYSTAL DISPLAY ... Nov. 12, 2003 Hideaki Tsuda Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 1508.68727 Sheet 6 of 8 (312) 360 0080

FIG. 6
RELATIONSHIPS BETWEEN SPACER AND CONTRAST



 $\mathbf{m}$  $\mathbf{\omega}$  $\mathbf{\omega}$  $\mathbf{\omega}$ G G ഗ  $\mathbf{\alpha}$  $\alpha$  $\alpha$  $\alpha$  $\mathbf{\omega}$  $\mathbf{\omega}$  $\mathbf{\omega}$  $\mathbf{\omega}$ G Ŋ  $\alpha$  $\alpha$  $\alpha$  $\alpha$  $\mathbf{\omega}$  $\mathbf{\omega}$  $\mathbf{m}$  $\mathbf{\omega}$ G Q  $\alpha$  $\alpha$  $\alpha$  $\mathbf{\alpha}$  $\mathbf{\omega}$  $\mathbf{\omega}$  $\omega$  $\omega$ Q G  $\alpha$  $\alpha$  $\alpha$  $\alpha$  $\mathbf{\Omega}$  $\mathbf{\omega}$  $\mathbf{\omega}$  $\Box$ Q G G G  $\alpha$  $\alpha$  $\alpha$  $\alpha$  $\mathbf{\omega}$  $\mathbf{m}$  $\mathbf{\omega}$  $\mathbf{\Omega}$ വ G G G  $\alpha$  $\alpha$  $\alpha$  $\alpha$ 

LIQUID CRYSTAL DISPLAY ... Nov. 12, 2003
Hideaki Tsuda
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1508.68727
Sheet 8 of 8 (312) 360 0080

FIG. 8

